

FIG. 1 is a block diagram of a document process system.

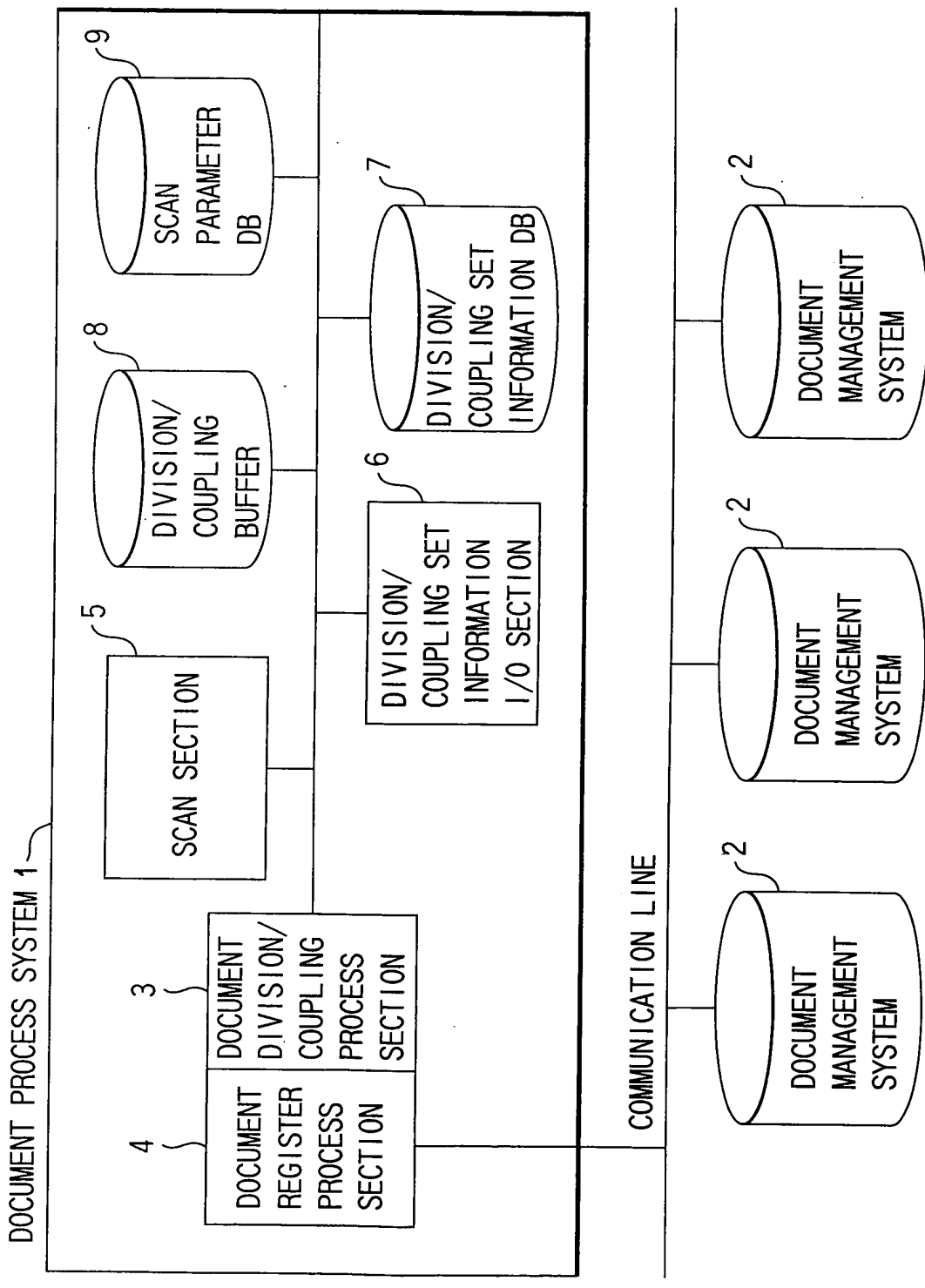


FIG. 1

The flowchart illustrates the process flow of the document management system 2. The process begins with a **DOCUMENT** input, which flows into the **SCAN PROCESS SECTION** (10). From there, the process moves to the **SCAN PARAMETER RECOGNITION SECTION** (12). This section interacts with the **SCAN DATA** (11) and the **SCAN PARAMETER SECTION** (9). The **SCAN PARAMETER RECOGNITION SECTION** (12) then flows into the **DIVISION/COUPLING PROCESS SECTION** (13). This section interacts with the **DIVISION/COUPLING SET PROCESS SECTION** (14), the **DIVISION/COUPLING SET INFORMATION DB** (7), and the **DIVISION/COUPLING INQUIRE PROCESS SECTION** (15). The **DIVISION/COUPLING PROCESS SECTION** (13) also interacts with the **DIVISION/COUPLING BUFFER** (8). The **DIVISION/COUPLING INQUIRE PROCESS SECTION** (15) interacts with the **I/O SECTION** (6). The **DIVISION/COUPLING PROCESS SECTION** (13) then flows into the **REGISTER PROCESS SECTION** (4). Finally, the process flows out to the **TO DOCUMENT MANAGEMENT SYSTEM 2**.

Legend:

- > FLOW OF DATA
- > FLOW OF PROCESS

TO DOCUMENT MANAGEMENT SYSTEM 2

ITEM	VALUE
RESOLUTION	600dpi
SCAN TYPE	ADF DOUBLE SIDE
SHEET SIZE	A4
SCAN SIZE	PHOTO
DIRECTION OF DOCUMENT	LANDSCAPE

FIG. 3

ITEM	VALUE 1	VALUE 2
16 DOCUMENT PROCESS	DIVIDE	
17 DOCUMENT PROCESS UNIT	1 DOCUMENT FOR 4 PAGES	
18 EXCESS DOCUMENT PROCESS	REGISTER AS ONE DOCUMENT	
19 REGISTER PROCESS	DIVISION-REGISTER	
16 REGISTRATION DESTINATION 1:CONDITION	DOCUMENT MANAGEMENT SYSTEM A	SHEET SIZE:A4
REGISTRATION DESTINATION 2:CONDITION	DOCUMENT MANAGEMENT SYSTEM B	SHEET SIZE:B4
REGISTRATION DESTINATION 3:CONDITION	DOCUMENT MANAGEMENT SYSTEM C	SHEET SIZE:OTHER THAN A4 & B5

FIG. 4

SCAN ID	DOCUMENT ID	STATE	REGISTRATION DESTINATION
1	1	WAIT FOR REGISTRATION	DOCUMENT MANAGEMENT SYSTEM A
1	2	WAIT FOR REGISTRATION	DOCUMENT MANAGEMENT SYSTEM A
2	3	WAIT FOR REGISTRATION	DOCUMENT MANAGEMENT SYSTEM A
2	4	WAIT FOR REGISTRATION	DOCUMENT MANAGEMENT SYSTEM B
2	5	WAIT FOR REGISTRATION	DOCUMENT MANAGEMENT SYSTEM C
3	6	COUPLING	DOCUMENT MANAGEMENT SYSTEM A
:	:	:	:

FIG. 5A

SCAN ID	DATA
1	(DOCUMENT DATA)
2	:
3	:
4	:
5	:
:	:

FIG. 5B

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graph TD
    START([START]) --> 29{DOCUMENT  
DIVISION/  
COUPLING}
    29 -- YES --> 30[REFER TO DIVISION/  
COUPLING SET  
INFORMATION]
    29 -- NO --> 35
    7[(DIVISION/  
COUPLING SET  
INFORMATION DB)] -.-> 30
    30 --> 31{IS SCAN  
PARAMETER  
NECESSARY?}
    31 -- YES --> 32[REFER TO SCAN  
PARAMETER]
    31 -- NO --> 35
    9[(SCAN  
PARAMETER DB)] -.-> 32
    32 --> 33{IS INQUIRY  
NECESSARY?}
    33 -- YES --> 34[INQUIRE PROCESS]
    33 -- NO --> 35
    6[/I/O  
SECTION/] -.-> 34
    34 --> 35
    35[DIVISION/COUPLING  
PROCESS] --> 36[TEMPORARY  
DATA STORAGE  
PROCESS]
    11[/SCAN  
DATA/] -.-> 36
    36 -.-> 8[(DIVISION/  
COUPLING  
BUFFER)]
    36 --> END([END])

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FIG. 6

END

ITEM	VALUE 1	VALUE 2
DOCUMENT PROCESS	DIVIDE	
DOCUMENT PROCESS UNIT	1 DOCUMENT FOR 1 SHEET	
EXCESS DOCUMENT PROCESS	DELETE	
REGISTER PROCESS	NO DIVISION- REGISTER	DOCUMENT MANAGEMENT SYSTEM A
REGISTRATION DESTINATION 1 :CONDITION		
REGISTRATION DESTINATION 2 :CONDITION		
REGISTRATION DESTINATION 3 :CONDITION		

FIG. 7

ITEM	VALUE 1	VALUE 2
DOCUMENT PROCESS	COUPLING	
DOCUMENT PROCESS UNIT	1 DOCUMENT FOR 4 PAGES	
EXCESS DOCUMENT PROCESS	INQUIRE	
REGISTER PROCESS	NOT COUPLING- REGISTER	DOCUMENT MANAGEMENT SYSTEM A
REGISTRATION DESTINATION 1 :CONDITION		
REGISTRATION DESTINATION 2 :CONDITION		
REGISTRATION DESTINATION 3 :CONDITION		

FIG. 8

DIVISION/COUPLING METHOD DESIGNATION

☐ REGISTER ALL PAGES AS ONE DOCUMENT

☐ REGISTER ONE PAGE AS ONE DOCUMENT

☐ DIVISION/COUPLING REGISTER ONE PAGE AS ONE DOCUMENT

☒ DIVISION/COUPLING-REGISTER PAGES AS ONE DOCUMENT

☐ DIVISION/COUPLING-REGISTER PAGE(S) AS ONE DOCUMENT

EXCESS PAGE: ☒ REGISTER AS ONE DOCUMENT

☐ DELETE

☐ INQUIRE OF USER

FIG. 9A

REGISTRATION DESTINATION DESIGNATION

☐ REGISTER TO SINGLE SYSTEM

REGISTRATION DESTINATION

☒ DIVISION-REGISTER TO PLURAL SYSTEMS

CONDITION 1 IS

REGISTRATION DESTINATION

CONDITION 2 IS

REGISTRATION DESTINATION

FIG. 9B

EXCESS PAGE PROCESS DESIGNATION

SCANNED DOCUMENT IS BEING DIVIDED IN
UNITS OF 4 PAGES. SCANNED DOCUMENT
CONSISTS OF 10 PAGES, AND 2 EXCESS PAGES
REMAIN. HOW SHOULD THEY BE PROCESSED?

- ☐ DELETE EXCESS PAGE
- ☐ REGISTER EXCESS PAGE AS ONE DOCUMENT
- ☐ COUPLE EXCESS PAGE TO NEXT SCAN DOCUMENT

OK

CANCEL

FIG.10